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2/19/1 (Item 1 from file: 344) DIALOG(R)File 344:Chinese Patents Abs (c) 2006 European Patent Office. All rts. reserv.

4212852

METHOD AND SYSTEM FOR UNAMBIGUOUS BRAILLE INPUT AND CONVERSION

Patent Assignee: MICROSOFT CORP (US)

Author (Inventor): PETER KAM-HO WONG (US)

Number of Patents: 000

Patent Family:

CC Number	Kind	Date
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CN 1242853	A	20000126 (Basic)
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Application Data:

CC Number	Kind	Date
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*CN 97181208	A	19971121
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IPC: G09B-021/00; G06F-017/28

Chinese Patents Abs (Dialog® File 344): (c) 2006 European Patent Office. All rights reserved.

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2/19/2 (Item 1 from file: 345) DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat (c) 2007 EPO. All rts. reserv.

18615971

Basic Patent (No,Kind,Date): DE 10140769 A1 20030306 No. of Patents: 013

PATENT FAMILY:

AUSTRIA (AT)

Patent (No,Kind,Date): AT 322349 E 20060415

MIT LACK BESCHICHTETE FOLIEN (German)

Author (Inventor): STEININGER HELMUT (DE); KRESS RIA (DE); BECK ERICH (DE); KOENIGER RAINER (US)

Priority (No,Kind,Date): DE 10140769 A 20010820

Applic (No,Kind,Date): EP 2002772152 A 20020814

Addnl Info: 01419017 20060405

IPC: \* B05D-007/04; B05D-007/00; B05D-0007/00; B32B-0027/32; C08J-0007/00; C08J-0007/04

Language of Document: German

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 2002336973 AA 20030310

Films coated with paint (English)

Patent Assignee: BASF AG

Author (Inventor): KONIGER RAINER; KRESS RIA; BECK ERICH; STEININGER HELMUT

Priority (No,Kind,Date): DE 10140769 A 20010820; WO 2002EP9104 W 20020814

Applic (No,Kind,Date): AU 20022002336973 A 20020814

IPC: \* B05D-007/04; B05D-007/00; B05D-0001/36; B05D-0007/00; B05D-0007/04; B05D-0007/24; B32B-0027/16; B32B-0027/32; C08J-0007/00; C09D-0004/02; C08J-0007/04

Language of Document: English  
CHINA (CN)

Patent (No,Kind,Date): CN 1543379 A 20041103

Films coated with paint (English)

Patent Assignee: BASF AG (DE)

Author (Inventor): RAINER STEININGER HELMUT KRESS (DE)

Priority (No,Kind,Date): DE 10140769 A 20010820

Applic (No,Kind,Date): CN 2002816227 A 20020814

IPC: \* B05D-007/04; B05D-007/00; B05D-0007/00; B32B-0027/32;  
C08J-0007/00; C08J-0007/04

Language of Document: Chinese

Patent (No,Kind,Date): CN 1242853 C 20060222

Films coated with paint (English)

Patent Assignee: BASF AG (DE)

Author (Inventor): RAINER STEININGER HELMUT KRESS (DE)

Priority (No,Kind,Date): DE 10140769 A 20010820

Applic (No,Kind,Date): CN 2002816227 A 20020814

IPC: \* B05D-0001/36; B05D-0007/00; B05D-0007/04; B05D-0007/24;  
B32B-0027/16; B32B-0027/32; C08J-0007/00; C09D-0004/02; C08J-0007/04

Language of Document: Chinese

GERMANY (DE)

Patent (No,Kind,Date): DE 10140769 A1 20030306

MIT LACK BESCHICHTETE FOLIEN (German)

Patent Assignee: BASF AG (DE)

Author (Inventor): STEININGER HELMUT (DE); KRESS RIA (DE); BECK  
ERICH (DE); KOENIGER RAINER (DE)

Priority (No,Kind,Date): DE 10140769 A 20010820

Applic (No,Kind,Date): DE 10140769 A 20010820

IPC: \* C08J-005/18; C08J-007/16; C09D-004/02; B32B-027/28; B32B-031/28  
; B29D-009/00

CA Abstract No: \* 138(14)206153D; 138(14)206153D

Language of Document: German

Patent (No,Kind,Date): DE 50206328 C0 20060518

MIT LACK BESCHICHTETE FOLIEN (German)

Patent Assignee: BASF AG (DE)

Author (Inventor): STEININGER HELMUT (DE); KRESS RIA (DE); BECK  
ERICH (DE); KOENIGER RAINER (US)

Priority (No,Kind,Date): DE 10140769 A 20010820; WO 2002EP9104 W  
20020814; DE 50206328 A 20020814

Applic (No,Kind,Date): DE 50206328 A 20020814

IPC: \* B05D-0007/00; B05D-0007/04; B32B-0027/32; C08J-0007/00;  
C08J-0007/04

Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 10140769 P 20010820 DE AE DOMESTIC APPLICATION  
(PATENT APPLICATION) (INLANDSANMELDUNG  
(PATENTANMELDUNG))

DE 10140769 A 20010820

DE 10140769 P 20030306 DE A1 LAYING OPEN FOR PUBLIC  
INSPECTION (OFFENLEGUNG)

DE 10140769 P 20031211 DE 8130 WITHDRAWAL (ZURUECKNAHME)

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 1419017 A2 20040519  
 FILMS COATED WITH PAINT FILMS RECOUVERTS DE PEINTURE MIT LACK  
 BESCHICHTETE FOLIEN (English; French; German)

Patent Assignee: BASF AG (DE)

Author (Inventor): STEININGER HELMUT (DE); KRESS RIA (DE); BECK  
 ERICH (DE); KOENIGER RAINER (US)

Priority (No,Kind,Date): DE 10140769 A 20010820; WO 2002EP9104 W  
 20020814

Applic (No,Kind,Date): EP 2002772152 A 20020814

Designated States: (National) AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
 FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

IPC: \* B05D-007/04; B05D-007/00

Language of Document: German

Patent (No,Kind,Date): EP 1419017 B1 20060405

FILMS COATED WITH PAINT FILMS RECOUVERTS DE PEINTURE MIT LACK  
 BESCHICHTETE FOLIEN (English; French; German)

Patent Assignee: BASF AG (DE)

Author (Inventor): STEININGER HELMUT (DE); KRESS RIA (DE); BECK  
 ERICH (DE); KOENIGER RAINER (US)

Priority (No,Kind,Date): DE 10140769 A 20010820; WO 2002EP9104 W  
 20020814

Applic (No,Kind,Date): EP 2002772152 A 20020814

Designated States: (National) AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
 FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

IPC: \* B05D-0007/00; B05D-0007/04; B32B-0027/32; C08J-0007/00;  
 C08J-0007/04

Language of Document: German

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 1419017 P 20040519 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE  
 IT LI LU MC NL PT SE SK TR

EP 1419017 P 20040519 EP AX EXTENSION OF THE EUROPEAN  
 PATENT TO (ERSTRECKUNG DES EUROPÄISCHEN  
 PATENTS AUF)  
 AL;LT;LV;MK;RO;SI

EP 1419017 P 20040519 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 DATE: 20040322

EP 1419017 P 20040811 EP RIN1 INVENTOR (CORRECTION)  
 (ERFINDER (KORR.))  
 INVENTOR: STEININGER, HELMUT ; INVENTOR:  
 KRESS, RIA ; INVENTOR: BECK, ERICH ;  
 INVENTOR: KOENIGER, RAINER

EP 1419017 P 20050525 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 DATE: 20050407

EP 1419017 P 20060405 EP AK DESIGNATED CONTRACTING  
 STATES MENTIONED IN A PATENT SPECIFICATION:  
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE

## VERTRAGSSTAATEN)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE

IT LI LU MC NL PT SE SK TR

EP 1419017 P 20060405 GB FG4D/REG EUROPEAN PATENT GRANTED  
NOT ENGLISH

EP 1419017 P 20060413 CH EP/REG ENTRY IN THE NATIONAL PHASE  
(EINTRITT IN DIE NATIONALE PHASE)

EP 1419017 P 20060517 IE FG4D/REG EUROPEAN PATENTS GRANTED  
DESIGNATING IRELAND

LANGUAGE OF EP DOCUMENT: GERMAN

EP 1419017 P 20060518 EP REF CORRESPONDS TO:  
(ENTSPRICHT)

DE 50206328 P 20060518

EP 1419017 P 20060802 EP GBT GB: TRANSLATION OF EP PATENT  
FILED (GB SECTION 77(6)(A)/1977) (GB:  
TRANSLATION OF EP PATENT FILED (GB SECT.  
77(6)(A)/1977))  
DATE: 20060712

EP 1419017 P 20061002 EP NLV1 NL: LAPSED OR ANNULLED DUE TO  
FAILURE TO FULFILL THE REQUIREMENTS OF ART.  
29P AND 29M OF THE PATENTS ACT; NO LEGAL  
EFFECT FROM (NL: WIRKUNG IN NL NICHT  
EINGETRETEN (ART. 29P UND 29M NL PATG.))

EP 1419017 P 20061101 ES FG2A/REG DEFINITIVE PROTECTION  
(PROTECCION DEFINITIVA)

EP 1419017 P 20061115 IE FD4D/REG EUROPEAN PATENTS DESIGNATING  
IRELAND TREATED AS ALWAYS HAVING BEEN VOID

EP 1419017 P 20061201 EP ET FR: TRANSLATION FILED (FR:  
TRADUCTION A ETE REMISE)

EP 1419017 P 20061227 EP 25 LAPSED IN A CONTRACTING  
STATE ANNOUNCED VIA POSTGRANT INFORM. FROM  
NAT. OFFICE TO EPO

FI

## SPAIN (ES)

Patent (No,Kind,Date): ES 2260480 T3 20061101

LAMINAS RECUBIERTAS CON LACA. (Spanish)

Patent Assignee: BASF AG

Author (Inventor): STEININGER HELMUT (DE); KRESS RIA (DE); BECK  
ERICH (DE); KONIGER RAINER (US)

Priority (No,Kind,Date): DE 10140769 A 20010820

Applic (No,Kind,Date): ES 2772152 EP 20020814

Addnl Info: 1419017 EP patent valid in AT

IPC: \* B05D-007/04; B05D-007/00; B05D-0001/36; B05D-0007/00;

B05D-0007/04; B05D-0007/24; B32B-0027/16; B32B-0027/32; C08J-0007/00;

C09D-0004/02; C08J-0007/04

Language of Document: French

## JAPAN (JP)

Patent (No,Kind,Date): JP 2005500186 T2 20050106

Priority (No,Kind,Date): DE 10140769 A 20010820; WO 2002EP9104 W  
20020814

Applic (No,Kind,Date): JP 2003522718 A 20020814

IPC: \* B32B-027/16; B05D-001/36; B05D-007/04; B05D-007/24

Language of Document: Japanese

## UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 20040208998 AA 20041021

Films coated with paint (English)

Patent Assignee: STEININGER HELMUT (DE); KRESS RIA (DE); BECK ERICH (DE); KONIGER RAINER (DE)

Author (Inventor): STEININGER HELMUT (DE); KRESS RIA (DE); BECK ERICH (DE); KONIGER RAINER (DE)

Priority (No,Kind,Date): DE 10140769 A 20010820; WO 2002EP9104 W 20020814

Applic (No,Kind,Date): US 485818 A 20040211

National Class: \* 427372200; 428500000; 427402000

IPC: \* B32B-027/00; B05D-003/02

Language of Document: English

## WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 200318214 A2 20030306

FILMS COATED WITH PAINT (English)

Patent Assignee: BASF AG (DE); STEININGER HELMUT (DE); KRESS RIA (DE); BECK ERICH (DE); KOENIGER RAINER (DE)

Author (Inventor): STEININGER HELMUT (DE); KRESS RIA (DE); BECK ERICH (DE); KOENIGER RAINER (DE)

Priority (No,Kind,Date): DE 10140769 A 20010820

Applic (No,Kind,Date): WO 2002EP9104 A 20020814

Designated States: (National) AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW (Regional) GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

Filing Details: WO 300000 Without international search report and to be republished upon receipt of that report

IPC: \* B05D-007/04

CA Abstract No: \* 138(14)206153D

Language of Document: German

Patent (No,Kind,Date): WO 200318214 A3 20030918

FILMS COATED WITH PAINT FILMS RECOUVERTS DE PEINTURE MIT LACK BESCHICHTETE FOLIEN (English)

Patent Assignee: BASF AG (DE); STEININGER HELMUT (DE); KRESS RIA (DE); BECK ERICH (DE); KOENIGER RAINER (DE)

Author (Inventor): STEININGER HELMUT (DE); KRESS RIA (DE); BECK ERICH (DE); KOENIGER RAINER (DE)

Priority (No,Kind,Date): DE 10140769 A 20010820

Applic (No,Kind,Date): WO 2002EP9104 A 20020814

Designated States: (National) AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW (Regional) GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD;

RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
IE; IT; LU; MC; NL; PT; SE; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN;  
GQ; GW; ML; MR; NE; SN; TD; TG

Filing Details: WO 130000 With international search report; Before  
expiration of time limit for amending the claims and to be  
republished in the event of the receipt of the amendments

IPC: \* B05D-007/04; B05D-007/00

Language of Document: German

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):

WO 200318214 P 20010820 WO AA PRIORITY (PATENT)  
DE 10140769 A 20010820

WO 200318214 P 20020814 WO AE APPLICATION DATA (APPL.  
DATA)  
WO 2002EP9104 A 20020814

WO 200318214 P 20030306 WO AK DESIGNATED STATES CITED IN A  
PUBLISHED APPLICATION WITHOUT SEARCH REPORT  
(DESIGNATED STATES CITED IN A PUBLISHED APPL.  
WITHOUT SEARCH REPORT)  
AE AG AL AM AT AU AZ BA BB BG BY BZ CA CH CN  
CO CR CU CZ DE DM DZ EC EE ES FI GB GD GE GH  
HR HU ID IL IN IS JP KE KG KP KR LC LK LR LS  
LT LU LV MA MD MG MN MW MX MZ NO NZ OM PH PL  
PT RU SD SE SG SI SK SL TJ TM TN TR TZ UA UG  
US UZ VC VN YU ZA ZM

WO 200318214 P 20030306 WO AL DESIGNATED COUNTRIES FOR  
REGIONAL PATENTS CITED IN A PUBLISHED  
APPLICATION WITHOUT SEARCH REPORT  
(DESIGNATED COUNTRIES FOR REGIONAL PATENTS  
CITED IN A PUBLISHED APPL. WITHOUT SEARCH  
REPORT)  
GH GM KE LS MW MZ SD SL SZ UG ZM ZW AM AZ BY  
KG KZ RU TJ TM AT BE BG CH CY CZ DK EE ES FI  
FR GB GR IE IT LU MC PT SE SK TR BF BJ CF CG  
CI GA GN GQ GW ML MR NE SN TD TG

WO 200318214 P 20030306 WO A2 PUBLICATION OF THE  
INTERNATIONAL APPLICATION WITHOUT THE  
INTERNATIONAL SEARCH REPORT (PUB. OF THE  
INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL  
SEARCH REPORT)

WO 200318214 P 20030502 WO 121 EP: THE EPO HAS BEEN  
INFORMED BY WIPO THAT EP WAS DESIGNATED IN  
THIS APPLICATION

WO 200318214 P 20030530 WO DFPE REQUEST FOR PRELIMINARY  
EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH  
MONTH FROM PRIORITY DATE

WO 200318214 P 20040219 WO ENP ENTRY INTO THE NATIONAL  
PHASE IN:  
JP 2003522718 A

WO 200318214 P 20040609 DE 8642/REG IMPACT ABOLISHED FOR DE -  
I.E. PCT APPL. NOT ENT. GERMAN PHASE  
(WIRKUNG WEGGEFALLEN FUER DE)

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2/19/3 (Item 2 from file: 345) DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat (c) 2007 EPO. All rts. reserv.

15838983

Basic Patent (No,Kind,Date): CN 1242853 A 20000126 No. of Patents: 001

PATENT FAMILY:

CHINA (CN)

Patent (No,Kind,Date): CN 1242853 A 20000126

METHOD AND SYSTEM FOR UNAMBIGUOUS BRAILLE INPUT AND CONVERSION

(English)

Patent Assignee: MICROSOFT CORP (US)

Author (Inventor): WONG PETER KAM-HO (US)

Priority (No,Kind,Date): CN 97181208 A 19971121

Applic (No,Kind,Date): CN 97181208 A 19971121

IPC: \* G09B-021/00; G06F-017/28

Language of Document: Chinese

Inpadoc/Fam.& Legal Stat (Dialog® File 345): (c) 2007 EPO. All rights reserved.

2/19/4 (Item 1 from file: 351) DIALOG(R)File 351:Derwent WPI (c) 2007 The Thomson Corporation. All rts. reserv.

0013286688

WPI Acc no: 2003-373242/200336

XRAM Acc no: C2003-099365

XRPX Acc No: N2003-297585

**Thermoformable lacquered films for use on steel, aluminum or plastics substrates, e.g. in producing metallic effects on automobiles, has a radiation-hardenable layer and a layer at least in part non-radiation-hardenable**

Patent Assignee: BASF AG (BADI); BECK E (BECK-I); KONIGER R (KONI-I); KRESS R (KRES-I); STEININGER H (STEI-I)

Inventor: BECK E; KOENIGER R; KONIGER R; KRESS R; STEININGER H; ERICH B ; HELMUT S; RAINER K; RIA K

Patent Family ( 13 patents, 100 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 10140769	A1	20030306	DE 10140769	A	20010820	200336	B
WO 2003018214	A2	20030306	WO 2002EP9104	A	20020814	200336	E
EP 1419017	A2	20040519	EP 2002772152	A	20020814	200433	E
			WO 2002EP9104	A	20020814		

AU 2002336973	A1	20030310	AU 2002336973	A	20020814	200452	E
KR 2004030067	A	20040408	KR 2004702160	A	20040213	200453	E
US 20040208998	A1	20041021	WO 2002EP9104	A	20020814	200470	E
			US 2004485818	A	20040211		
JP 2005500186	W	20050106	WO 2002EP9104	A	20020814	200505	E
			JP 2003522718	A	20020814		
CN 1543379	A	20041103	CN 2002816227	A	20020814	200514	E
AU 2002336973	A8	20051020	AU 2002336973	A	20020814	200615	E
EP 1419017	B1	20060405	EP 2002772152	A	20020814	200624	E
			WO 2002EP9104	A	20020814		
DE 50206328	G	20060518	DE 50206328	A	20020814	200636	E
			EP 2002772152	A	20020814		
			WO 2002EP9104	A	20020814		
CN 1242853	C	20060222	CN 2002816227	A	20020814	200661	E
ES 2260480	T3	20061101	EP 2002772152	A	20020814	200673	E

Priority Applications (no., kind, date): DE 10140769 A 20010820

#### Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
DE 10140769	A1	DE	11	4		
WO 2003018214	A2	DE				
National Designated States, Original	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW					
Regional Designated States, Original	AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW					
EP 1419017	A2	DE			PCT Application	WO 2002EP9104
					Based on OPI patent	WO 2003018214
Regional Designated States, Original	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR					
AU 2002336973	A1	EN			Based on OPI patent	WO 2003018214



US 20040208998	A1	EN			PCT Application	WO 2002EP9104
JP 2005500186	W	JA	54		PCT Application	WO 2002EP9104
					Based on OPI patent	WO 2003018214
AU 2002336973	A8	EN			Based on OPI patent	WO 2003018214
EP 1419017	B1	DE			PCT Application	WO 2002EP9104
					Based on OPI patent	WO 2003018214
Regional Designated States,Original	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR					
DE 50206328	G	DE			Application	EP 2002772152
					PCT Application	WO 2002EP9104
					Based on OPI patent	EP 1419017
					Based on OPI patent	WO 2003018214
ES 2260480	T3	ES			Application	EP 2002772152
					Based on OPI patent	EP 1419017

### Alerting Abstract DE A1

NOVELTY - A film has two lacquer layers, a first layer (2) which is radiation-hardenable and a second layer (3) which is at least in part non-hardenable by radiation.

DESCRIPTION - Also included is an INDEPENDENT CLAIM for production of the lacquered film by an almost simultaneous wet-on-wet application of layers (2) and (3), followed by heat drying to remove solvent.

USE - Claimed use of the lacquered film is in coating steel, aluminum or plastics substrates. Typical application is in the automobile industry e.g. in producing metallic effects.

ADVANTAGE - The film provides an alternative to liquid lacquers which is cold- and thermoformable while showing constant color tones and having good adhesion to steel, aluminum or plastics substrates. It also shows improved breaking strength and can be removed without leaving residues, while having scratch-, chemical- and weathering-resistances comparable to those of lacquers applied by liquid spraying.

DESCRIPTION OF DRAWINGS - The drawing shows a thermoformable, heat-stable double-lacquered film which can be dried with a 30(deg)C/60(deg)C/105(deg)C gradient and which comprises

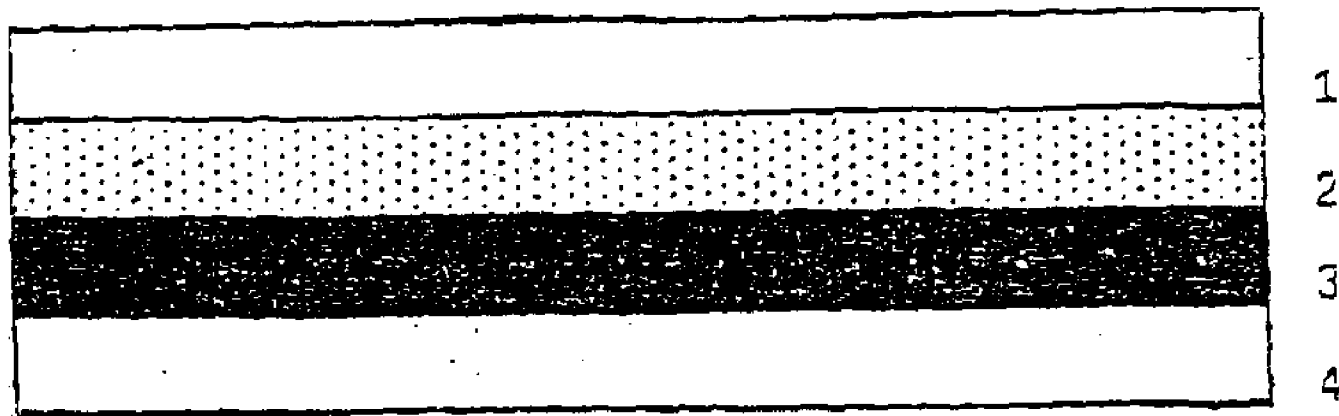
- 1 50mu polypropylene substrate
- 2 40mu clear lacquer
- 3 30mu color lacquer
- 4 20mu adhesive layer

### Technology Focus

POLYMERS - Preferred Materials : Substrate (1) is deep-drawable and heat-stable and is of

polypropylene 40-100 (especially 50-70) $\mu$  thick. Layer (2) is a non-pigmented clear lacquer layer which is UV-hardenable and 1-400 $\mu$  thick, while layer (3) is a heat- and radiation (especially UV)-hardenable pigmented covering lacquer, 10-60 $\mu$  thick. An adhesive-coated release film can be laminated or transferred onto layer (3). A (preferably UV-hardenable) adhesive layer (4), 4-20 $\mu$  thick, is applied to layer (3) by casting, coating or transfer, the adhesive properties being adjusted by pre-crosslinking. Further layers can be applied to adhesive layer (4), including a 25-50 $\mu$  thick reinforcing film and, in the case of producing a thermoformable film, a yet-further film of thickness  $\leq 1,000\mu$

### Main Drawing Sheet(s) or Clipped Structure(s)



**Title Terms** /Index Terms/Additional Words: LACQUER; FILM; STEEL; ALUMINIUM; PLASTICS; SUBSTRATE; PRODUCE; METALLIC; EFFECT; AUTOMOBILE; RADIATE; HARDEN; LAYER; PART; NON

### Class Codes

#### International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
B05D-007/04; B32B-027/16			Main		"Version 7"
B05D-001/36; B05D-007/00; B05D-007/24			Secondary		"Version 7"
B05D-0001/36	A	I	F	R	20060101
B05D-0007/00	A	I	L	B	20060101
B05D-0007/00	A	I	L		20060101
B05D-0007/00	A	I		R	20060101
B05D-0007/04	A	I	F	B	20060101
B05D-0007/04	A	I	F		20060101
B05D-0007/04	A	I	L	R	20060101
B05D-0007/24	A	I	L	R	20060101
B32B-0027/16	A	I	L	R	20060101

B32B-0027/32	A	I		R	20060101
C08J-0007/04	A	I		R	20060101
C09D-0004/02	A	I		R	20060101
B05D-0001/36	C	I	F	R	20060101
B05D-0007/00	C	I	L	B	20060101
B05D-0007/00	C	I		R	20060101
B05D-0007/04	C	I	L	B	20060101
B05D-0007/04	C	I	L	R	20060101
B05D-0007/24	C	I	L	R	20060101
B32B-0027/16	C	I	L	R	20060101
B32B-0027/32	C	I		R	20060101
C08J-0007/00	C	I		R	20060101
C09D-0004/02	C	I		R	20060101

US Classification, Issued: 427372200, 428500000, 427402000

File Segment: CPI; EngPI

DWPI Class: A82; G02; P42; P73

Manual Codes (CPI/A-N): A08-E01; A11-B05; A11-C02B; A11-C02C; A12-B04; A12-B07; G02-A02; G02-A05E

Specific Compound Numbers: R00964

Derwent Chemistry Resource Numbers: (Linked) 1145-DIS; 1145

Key Word Indexing

\*1\* 1145-DIS

Polymer Indexing

(01)

\*001\* 018; G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83 R00964-R  
1145-R; H0000; P1150; P1343

\*002\* 018; ND01; K9574 K9483; K9712 K9676; Q9999 Q9234 Q9212; Q9999 Q9289  
Q9212; ND07; N9999 N7147 N7034 N7023; B9999 B5243-R B4740; K9701  
K9676; B9999 B4091-R B3838 B3747; B9999 B5287 B5276; B9999 B4580  
B4568; B9999 B4728 B4568

\*003\* 018; N9999 N7090 N7034 N7023; B9999 B5447 B5414 B5403 B5276; B9999  
B4682 B4568; N9999 N6111 N6097

(02)

\*001\* 018; P0000; L9999 L2391; L9999 L2073; M9999 M2073

\*002\* 018; ND01; K9574 K9483; K9712 K9676; Q9999 Q9234 Q9212; Q9999 Q9289  
Q9212; ND07; N9999 N7147 N7034 N7023; B9999 B5243-R B4740; K9701  
K9676; B9999 B4091-R B3838 B3747; B9999 B5287 B5276; B9999 B4580  
B4568; B9999 B4728 B4568

\*003\* 018; Q9999 Q7114-R; K9552 K9483; N9999 N7090 N7034 N7023; B9999 B5447  
B5414 B5403 B5276  
\*004\* 018; K9869 K9847 K9790; B9999 B4988-R B4977 B4740; B9999 B4397 B4240  
\*005\* 018; N9999 N6780-R N6655  
(03)  
\*001\* 018; P0000; L9999 L2391; L9999 L2073; M9999 M2073  
\*002\* 018; ND01; K9574 K9483; K9712 K9676; Q9999 Q9234 Q9212; Q9999 Q9289  
Q9212; ND07; N9999 N7147 N7034 N7023; B9999 B5243-R B4740; K9701  
K9676; B9999 B4091-R B3838 B3747; B9999 B5287 B5276; B9999 B4580  
B4568; B9999 B4728 B4568  
\*003\* 018; K9869 K9847 K9790; B9999 B4988-R B4977 B4740; B9999 B4397 B4240  
\*004\* 018; K9869 K9847 K9790; N9999 N6177-R; B9999 B4988-R B4977 B4740;  
Q9999 Q7114-R  
\*005\* 018; N9999 N7192 N7023  
\*006\* 018; N9999 N6780-R N6655  
\*007\* 018; A999 A102 A077  
(04)  
\*001\* 018; P0000  
\*002\* 018; ND01; K9574 K9483; K9712 K9676; Q9999 Q9234 Q9212; Q9999 Q9289  
Q9212; ND07; N9999 N7147 N7034 N7023; B9999 B5243-R B4740; K9701  
K9676; B9999 B4091-R B3838 B3747; B9999 B5287 B5276; B9999 B4580  
B4568; B9999 B4728 B4568  
\*003\* 018; K9892; K9712 K9676  
\*004\* 018; A999 A419  
(05)  
\*001\* 018; P0000  
\*002\* 018; ND01; K9574 K9483; K9712 K9676; Q9999 Q9234 Q9212; Q9999 Q9289  
Q9212; ND07; N9999 N7147 N7034 N7023; B9999 B5243-R B4740; K9701  
K9676; B9999 B4091-R B3838 B3747; B9999 B5287 B5276; B9999 B4580  
B4568; B9999 B4728 B4568  
\*003\* 018; Q9999 Q9154; Q9999 Q6644-R

## Original Publication Data by Authority

### Australia

**Publication No.** AU 2002336973 A1 (Update 200452 E)

Publication Date: 20030310

#### **FILMS COATED WITH PAINT**

Assignee: BASF AG (BADI)

Inventor: STEININGER H

KRESS R

BECK E

KONIGER R

Language: EN

Application: AU 2002336973 A 20020814 (Local application)

Priority: DE 10140769 A 20010820  
Related Publication: WO 2003018214 A (Based on OPI patent )  
Original IPC: B05D-7/04(A)  
Current IPC: B05D-7/04(A)

**Publication No.** AU 2002336973 A8 (Update 200615 E)

Publication Date: 20051020

**Films coated with paint**

Assignee: BASF AG (BADI)

Inventor: KONIGER R

KRESS R

BECK E

STEININGER H

Language: EN

Application: AU 2002336973 A 20020814 (Local application)

Priority: DE 10140769 A 20010820

Related Publication: WO 2003018214 A (Based on OPI patent )

Original IPC: B05D-7/04(A) B05D-7/00(B)

Current IPC: B05D-7/04(A) B05D-7/00(B)

## China

**Publication No.** CN 1242853 C (Update 200661 E)

Publication Date: 20060222

Assignee: BASF AG; DE (BADI)

Inventor: HELMUT S

RIA K

ERICH B

RAINER K

Language: ZH

Application: CN 2002816227 A 20020814 (Local application)

Priority: DE 10140769 A 20010820

Original IPC: B05D-7/00(I,CN,20060101,A,L) B05D-7/04(I,CN,20060101,A,F)

Current IPC: B05D-1/36(R,A,I,M,JP,20060101,20051220,A,F) B05D-

1/36(R,I,M,JP,20060101,20051220,C,F) B05D-7/00(R,I,M,EP,20060101,20051008,A) B05D-7/00(R,I,M,EP,20060101,20051008,C) B05D-7/04(B,I,H,CN,20060101,20060222,A,F) B05D-7/04(B,I,H,CN,20060101,20060222,C,L) B05D-7/24(R,I,M,JP,20060101,20051220,A,L) B05D-7/24(R,I,M,JP,20060101,20051220,C,L) B32B-27/16(R,I,M,JP,20060101,20051220,A,L) B32B-27/16(R,I,M,JP,20060101,20051220,C,L) B32B-27/32(R,I,M,EP,20060101,20051008,A) B32B-27/32(R,I,M,EP,20060101,20051008,C) C08J-7/00(R,I,M,EP,20060101,20051008,C) C08J-7/04(R,I,M,EP,20060101,20051008,A) C09D-4/02(R,I,M,DE,20060101,20060521,A) C09D-4/02(R,I,M,DE,20060101,20060521,C)

**Publication No.** CN 1543379 A (Update 200514 E)

Publication Date: 20041103

Assignee: BASF AG; DE (BADI)

Language: ZH

Application: CN 2002816227 A 20020814 (Local application)

Priority: DE 10140769 A 20010820

Original IPC: B05D-7/04(A) B05D-7/00(B)

Current IPC: B05D-1/36(R,A,I,M,JP,20060101,20051220,A,F) B05D-

1/36(R,I,M,JP,20060101,20051220,C,F) B05D-7/00(R,I,M,EP,20060101,20051008,A) B05D-7/00(R,I,M,EP,20060101,20051008,C) B05D-7/04(R,I,M,JP,20060101,20051220,A,L) B05D-7/04(R,I,M,JP,20060101,20051220,C,L) B05D-7/24(R,I,M,JP,20060101,20051220,A,L) B05D-7/24(R,I,M,JP,20060101,20051220,C,L) B32B-27/16(R,I,M,JP,20060101,20051220,A,L) B32B-27/16(R,I,M,JP,20060101,20051220,C,L) B32B-27/32(R,I,M,EP,20060101,20051008,A) B32B-27/32(R,I,M,EP,20060101,20051008,C) C08J-7/00(R,I, M,EP,20060101,20051008,C) C08J-7/04(R,I,M,EP,20060101,20051008,A) C09D-4/02(R,I,M,DE,20060101,20060521,A) C09D-4/02(R,I,M,DE,20060101,20060521,C)

## Germany

**Publication No.** DE 10140769 A1 (Update 200336 B)

Publication Date: 20030306

### **Mit Lack beschichtete Folien**

Assignee: BASF AG, 67063 Ludwigshafen, DE (BADI)

Inventor: Steininger, Helmut, Dr., 67551 Worms, DE

Kress, Ria, Dr., 67063 Ludwigshafen, DE

Beck, Erich, Dr., 68526 Ladenburg, DE

Koniger, Rainer, Dr., 68199 Mannheim, DE

Agent: Dres. Fitzner, Munch & Kluin, 40878 Ratingen

Language: DE (11 pages, 4 drawings)

Application: DE 10140769 A 20010820 (Local application)

Original IPC: C08J-5/18(A) B29D-9/00(B) B32B-27/28(B) B32B-31/28(B) C08J-7/16(B) C09D-4/02(B)

Current IPC: B05D-1/36(R,I,M,JP,20060101,20051220,A,F) B05D-

1/36(R,I,M,JP,20060101,20051220,C,F) B05D-7/00(R,I,M,EP,20060101,20051008,A) B05D-7/00(R,I,M,EP,20060101,20051008,C) B05D-7/04(R,I,M,JP,20060101,20051220,A,L) B05D-7/04(R,I,M,JP,20060101,20051220,C,L) B05D-7/24(R,I,M,JP,20060101,20051220,A,L) B05D-7/24(R,I,M,JP,20060101,20051220,C,L) B32B-27/16(R,I,M,JP,20060101,20051220,A,L) B32B-27/16(R,I,M,JP,20060101,20051220,C,L) B32B-27/32(R,I,M,EP,20060101,20051008,A) B32B-27/32(R,I,M,EP,20060101,20051008,C) C08J-7/00(R,I,M,EP,20060101,20051008,C) C08J-7/04(R,I,M,EP,20060101,20051008,A) C09D-4/02(R,I,M,DE,20060101,20060521,A) C09D-4/02(R,I,M,DE,20060101,20060521,C)

Original Abstract:

Die vorliegende Erfindung betrifft Folien, beschichtet wenigstens mit zwei Lackschichten (2) (3), wobei auf der Tragerfolie (1) wenigstens eine Lackschicht (29) vorhanden ist, die strahlenhartbar ist und wenigstens eine zweite Lackschicht (3) vorhanden ist, die zumindest teilweise ohne Strahlung hartbar ist. Ferner betrifft die Erfindung ein Verfahren zur Herstellung dieser Folien sowie deren

Verwendung für die Beschichtung von Substraten aus Stahl, Aluminium und Kunststoff.

Claim:

- 1. Folien beschichtet mit wenigstens zwei Lackschichten, **dadurch gekennzeichnet**, dass auf einer Trägerfolie (1) wenigstens eine Lackschicht (2) vorhanden ist, die strahlenhartbar ist, und wenigstens eine zweite Lackschicht (3) vorhanden ist, die zumindest teilweise ohne Strahlung hartbar ist.

**Publication No.** DE 50206328 G (Update 200636 E)

Publication Date: 20060518

Assignee: BASF AG; DE (BADI)

Inventor: STEININGER H

KRESS R

BECK E

KOENIGER R

Language: DE

Application: DE 50206328 A 20020814 (Local application)

EP 2002772152 A 20020814 (Application)

WO 2002EP9104 A 20020814 (PCT Application)

Priority: DE 10140769 A 20010820

Related Publication: EP 1419017 A (Based on OPI patent )

WO 2003018214 A (Based on OPI patent )

Original IPC: B05D-7/00(I,DE,20060101,A,L) B05D-7/04(I,DE,20060101,A,F)

Current IPC: B05D-7/00(I,DE,20060101,A,L) B05D-7/04(I,DE,20060101,A,F)

## EPO

**Publication No.** EP 1419017 A2 (Update 200433 E)

Publication Date: 20040519

**MIT LACK BESCHICHTETE FOLIEN**

**FILMS COATED WITH PAINT**

**FILMS RECOUVERTS DE PEINTURE**

Assignee: BASF AKTIENGESELLSCHAFT, 67056 Ludwigshafen, DE (BADI)

Inventor: STEININGER, Helmut, Dr. Ernst-Kilb-Weg 15, 67551 Worms, DE

KRESS, Ria, Gartenstrasse 5, 67063 Ludwigshafen, DE

BECK, Erich, Schillerstr. 1, 68526 Ladenburg, DE

KONIGER, Rainer, Heinrich-Hoff-Strasse 11, 68199 Mannheim, DE

Agent: Fitzner, Uwe, Dr., Lintorfer Strasse 10, 40878 Ratingen, DE

Language: DE

Application: EP 2002772152 A 20020814 (Local application)

WO 2002EP9104 A 20020814 (PCT Application)

Priority: DE 10140769 A 20010820

Related Publication: WO 2003018214 A (Based on OPI patent )

Designated States: (Regional Original) AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Original IPC: B05D-7/04(A) B05D-7/00(B)

Current IPC: B05D-1/36(R,I,M,JP,20060101,20051220,A,F) B05D-

1/36(R,I,M,JP,20060101,20051220,C,F) B05D-7/00(R,I,M,EP,20060101,20051008,A) B05D-7/00(R,I,M,EP,20060101,20051008,C) B05D-7/04(R,I,M,JP,20060101,20051220,A,L) B05D-7/04(R,I,M,JP,20060101,20051220,C,L) B05D-7/24(R,I,M,JP,20060101,20051220,A,L) B05D-7/24(R,I,M,JP,20060101,20051220,C,L) B32B-27/16(R,I,M,JP,20060101,20051220,A,L) B32B-27/16(R,I,M,JP,20060101,20051220,C,L) B32B-27/32(R,I,M,EP,20060101,20051008,A) B32B-27/32(R,I,M,EP,20060101,20051008,C) C08J-7/00(R,I,M,EP,20060101,20051008,C) C08J-7/04(R,I,M,EP,20060101,20051008,A) C09D-4/02( R,I,M,DE,20060101,20060521,A) C09D-4/02(R,I,M,DE,20060101,20060521,C)

Original Abstract:

The present invention relates to films which are coated with at least two paint coats (2) (3), whereby the backing film (1) is coated with at least one radiation-hardenable paint coat (2) and at least one second paint coat (3), which can harden at least partially without radiation. The invention also relates to a method for producing said films and to their use for coating steel, aluminium and plastic substrates.

**Publication No.** EP 1419017 B1 (Update 200624 E)

Publication Date: 20060405

**MIT LACK BESCHICHTETE FOLIEN**

**FILMS COATED WITH PAINT**

**FILMS RECOUVERTS DE PEINTURE**

Assignee: BASF Aktiengesellschaft, 67056 Ludwigshafen, DE (BADI)

Inventor: STEININGER, Helmut, Dr. Ernst-Kilb-Weg 15, 67551 Worms, DE

KRESS, Ria, Gartenstrasse 5, 67063 Ludwigshafen, DE

BECK, Erich, Schillerstr. 1, 68526 Ladenburg, DE

KONIGER, Rainer, Hollandale Apartments 25J, Clifton Park, NY 12065, US

Agent: Fitzner, Uwe, Dres. Fitzner & Munch, Hauser Ring 10, 40878 Ratingen, DE

Language: DE

Application: EP 2002772152 A 20020814 (Local application)

WO 2002EP9104 A 20020814 (PCT Application)

Priority: DE 10140769 A 20010820

Related Publication: WO 2003018214 A (Based on OPI patent )

Designated States: (Regional Original) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

Original IPC: B05D-7/00(B,I,H,EP,20060101,20031216,A,L) B05D-7/04(B,I,H,EP,20060101,20031216,A,F)

Current IPC: B05D-1/36(R,I,M,JP,20060101,20051220,A,F) B05D-

1/36(R,I,M,JP,20060101,20051220,C,F) B05D-7/00(B,I,H,EP,20060101,20031216,A,L) B05D-7/00(B,I,H,EP,20060101,20031216,C,L) B05D-7/04(B,I,H,EP,20060101,20031216,A,F) B05D-



7/04(B,I,H,EP,20060101,20031216,C,L) B05D-7/24(R,I,M,JP,20060101,20051220,A,L) B05D-7/24(R,I,M,JP,20060101,20051220,C,L) B32B-27/16(R,I,M,JP,20060101,20051220,A,L) B32B-27/16(R,I,M,JP,20060101,20051220,C,L) B32B-27/32(R,I,M,EP,20060101,20051008,A) B32B-27/32(R,I,M,EP,20060101,20051008,C) C08J-7/00(R,I,M,EP,20060101,20051008,C) C08J-7/04(R,I,M,EP,20060101,20051008,A) C09D-4/02(R,I,M,DE,20060101,20060521,A) C09D-4/02(R,I,M,DE,20060101,20060521,C)

Claim:

1. Folien beschichtet mit wenigstens zwei Lackschichten **dadurch gekennzeichnet, dass** auf einer Tragerfolie (1) wenigstens eine Lackschicht (2) vorhanden ist, die strahlenhartbar ist, und wenigstens eine zweite Lackschicht (3) vorhanden ist, die zumindest teilweise ohne Strahlung hartbar ist, und dass auf die zweite Lackschicht (3) ein Kleber (4) gegossen, kaschiert oder transferiert wurde.
1. A film coated with at least two paint layers, wherein a carrier film (1) bears at least one paint layer (2), which is radiation-curable, and at least one second paint layer (3), which is curable at least partly without radiation, and wherein an adhesive (4) has been cast, laminated or transferred onto the second paint layer (3).
1. Feuilles enduites d'au moins deux couches de vernis, **caracterisees en ce que**, sur une feuille de support (1), il y a au moins une couche de vernis (2), qui est durcissable par rayonnement, et au moins une deuxieme couche de vernis (3) qui est durcissable au moins partiellement sans rayonnement et **en ce qu'**une colle (4) a ete repandue, pelliculee ou transferee sur la deuxieme couche de vernis (3).

## Spain

**Publication No.** ES 2260480 T3 (Update 200673 E)

Publication Date: 20061101

Assignee: BASF AG (BADI)

Language: ES

Application: EP 2002772152 A 20020814 (Application)

Priority: DE 10140769 A 20010820

Related Publication: EP 1419017 A (Based on OPI patent )

Original IPC: B05D-7/04(A) B05D-7/00(B)

Current IPC: B05D-7/04(A) B05D-7/00(B)

## Japan

**Publication No.** JP 2005500186 W (Update 200505 E)

Publication Date: 20050106

Language: JA (54 pages)

Application: WO 2002EP9104 A 20020814 (PCT Application)

JP 2003522718 A 20020814 (Local application)

Priority: DE 10140769 A 20010820

Related Publication: WO 2003018214 A (Based on OPI patent )

Original IPC: B32B-27/16(A) B05D-1/36(B) B05D-7/04(B) B05D-7/24(B)

Current IPC: B32B-27/16(A) B05D-1/36(B) B05D-7/04(B) B05D-7/24(B)

## Korea

**Publication No.** KR 2004030067 A (Update 200453 E)

Publication Date: 20040408

Assignee: BASF AG (BADI)

Language: KO

Application: KR 2004702160 A 20040213 (Local application)

Priority: DE 10140769 A 20010820

Original IPC: B05D-7/04(A)

Current IPC: B05D-7/04(A)

## United States

**Publication No.** US 20040208998 A1 (Update 200470 E)

Publication Date: 20041021

### Films coated with paint

Assignee: Steininger, Helmut, Worms, DE (STEI-I)

Kress, Ria, Ludwigshafen, DE (KRES-I)

Beck, Erich, Ladenburg, DE (BECK-I)

Koniger, Rainer, Mannheim, DE (KONI-I)

Inventor: Steininger, Helmut, Worms, DE

Kress, Ria, Ludwigshafen, DE

Beck, Erich, Ladenburg, DE

Koniger, Rainer, Mannheim, DE

Agent: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET,  
ALEXANDRIA, VA, US

Language: EN

Application: WO 2002EP9104 A 20020814 (PCT Application)

US 2004485818 A 20040211 (Local application)

Priority: DE 10140769 A 20010820

Original IPC: B32B-27/00(A) B05D-3/02(B)

Current IPC: B05D-7/00(R,I,M,EP,20060101,20051008,A) B05D-7/00(R,I,M,EP,20060101,20051008,C) B32B-27/32(R,I,M,EP,20060101,20051008,A) B32B-27/32(R,I,M,EP,20060101,20051008,C) C08J-7/00(R,I,M,EP,20060101,20051008,C) C08J-7/04(R,I,M,EP,20060101,20051008,A)

Original US Class (secondary): 427372.2 428500 427402

Original Abstract:

The present invention relates to films which are coated with at least two paint coats (2) (3), whereby the backing film (1) is coated with at least one radiation-hardenable paint coat (2) and at least one second paint coat (3), which can harden at least partially without radiation. The invention also relates to a method for producing said films and to their use for coating steel, aluminium and plastic substrates.

Claim:

1. 1. A film coated with at least two paint layers, wherein a carrier film bears at least one first paint layer, which is radiation-curable, and at least one second paint layer, which is curable at least partly without radiation, and wherein an adhesive layer has been cast, laminated or transferred onto the second paint layer.

## WIPO

**Publication No.** WO 2003018214 A2 (Update 200336 E)

Publication Date: 20030306

**MIT LACK BESCHICHTETE FOLIEN**

**FILMS COATED WITH PAINT**

**FILMS RECOUVERTS DE PEINTURE**

Assignee: (except US) BASF AKTIENGESELLSCHAFT, 67056 Ludwigshafen, DE Residence: DE

Nationality: DE (BADI)

(only US) STEININGER, Helmut, Dr. Ernst-Kilb-Weg 15, 67551 Worms, DE Residence: DE

Nationality: DE

(only US) KRESS, Ria, Gartenstrasse 5, 67063 Ludwigshafen, DE Residence: DE Nationality: DE

(only US) BECK, Erich, Schillerstr. 1, 68526 Ladenburg, DE Residence: DE Nationality: DE

(only US) KONIGER, Rainer, Heinrich-Hoff-Strasse 11, 68199 Mannheim, DE Residence: DE

Nationality: DE

Inventor: STEININGER, Helmut, Dr. Ernst-Kilb-Weg 15, 67551 Worms, DE Residence: DE

Nationality: DE

KRESS, Ria, Gartenstrasse 5, 67063 Ludwigshafen, DE Residence: DE Nationality: DE

BECK, Erich, Schillerstr. 1, 68526 Ladenburg, DE Residence: DE Nationality: DE

KONIGER, Rainer, Heinrich-Hoff-Strasse 11, 68199 Mannheim, DE Residence: DE Nationality: DE

Agent: FITZNER, Uwe, Lintorfer Strasse 10, 40878 Ratingen, DE

Language: DE

Application: WO 2002EP9104 A 20020814 (Local application)

Priority: DE 10140769 A 20010820

Designated States: (National Original) AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(Regional Original) AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

Original IPC: B05D-7/04(A)

Current IPC: B05D-7/00(R,I,M,EP,20060101,20051008,A) B05D-7/00(R,I,M,EP,20060101,20051008,C) B32B-27/32(R,I,M,EP,20060101,20051008,A) B32B-27/32(R,I,M,EP,20060101,20051008,C) C08J-7/00(R,I,M,EP,20060101,20051008,C) C08J-7/04(R,I,M,EP,20060101,20051008,A)

Original Abstract:

Die vorliegende Erfindung betrifft Folien beschichtet wenigsten mit zwei Lackschichten (2) (3), wobei auf der Tragerfolie (1) wenigstens eine Lackschicht (2) vorhanden ist, die strahlenhartbar ist und wenigstens eine zweite Lackschicht (3) vorhanden ist, die zumindest teilweise ohne Strahlung hartbar ist. Ferner betrifft die Erfindung ein Verfahren zur Herstellung dieser Folien sowie deren Verwendung fur die Beschichtung von Substraten aus Stahl, Aluminium und Kunststoff.

The present invention relates to films which are coated with at least two paint coats (2) (3), whereby the backing film (1) is coated with at least one radiation-hardenable paint coat (2) and at least one second paint coat (3), which can harden at least partially without radiation. The invention also relates to a method for producing said films and to their use for coating steel, aluminium and plastic substrates.

La presente invention concerne des films recouverts d'au moins deux couches de peinture (2) (3). Selon cette invention, le film support (1) est recouvert d'au moins une couche de peinture (2) radiodurcissable et d'au moins une deuxieme couche de peinture (3), pouvant durcir au moins partiellement sans rayonnement. Cette invention concerne egalement un procede de production de ces films et leur utilisation dans le revetement de substrats en acier, en aluminium et en plastique.

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2/19/5 (Item 2 from file: 351) DIALOG(R)File 351:Derwent WPI (c) 2007 The Thomson Corporation. All rts. reserv.

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WPI Acc no: 1998-333584/199829

XRPX Acc No: N1998-260342

**Translating Braille into multi byte language - by using characters in computer system having database with entries which map Braille to phrase comprising characters of multi byte language**

Patent Assignee: MICROSOFT CORP (MICR-N)

Inventor: WONG P K

## Patent Family ( 5 patents, 23 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 1998025252	A1	19980611	WO 1997US21317	A	19971121	199829	B
CN 1242853	A	20000126	CN 1997181208	A	19971121	200024	E
KR 2000057355	A	20000915	WO 1997US21317	A	19971121	200122	E
			KR 1999704869	A	19990602		
JP 2001505322	W	20010417	WO 1997US21317	A	19971121	200128	E
			JP 1998525620	A	19971121		
US 6351726	B1	20020226	US 1996758672	A	19961202	200220	E

Priority Applications (no., kind, date): US 1996758672 A 19961202

## Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes												
WO 1998025252	A1	EN	50	6													
National Designated States,Original	CN	IL	JP	KR	SG												
Regional Designated States,Original	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	MC	NL	PT	SE
KR 2000057355	A	KO		21	PCT Application					WO 1997US21317							
					Based on OPI patent					WO 1998025252							
JP 2001505322	W	JA	49		PCT Application					WO 1997US21317							
					Based on OPI patent					WO 1998025252							

**Alerting Abstract WO A1**

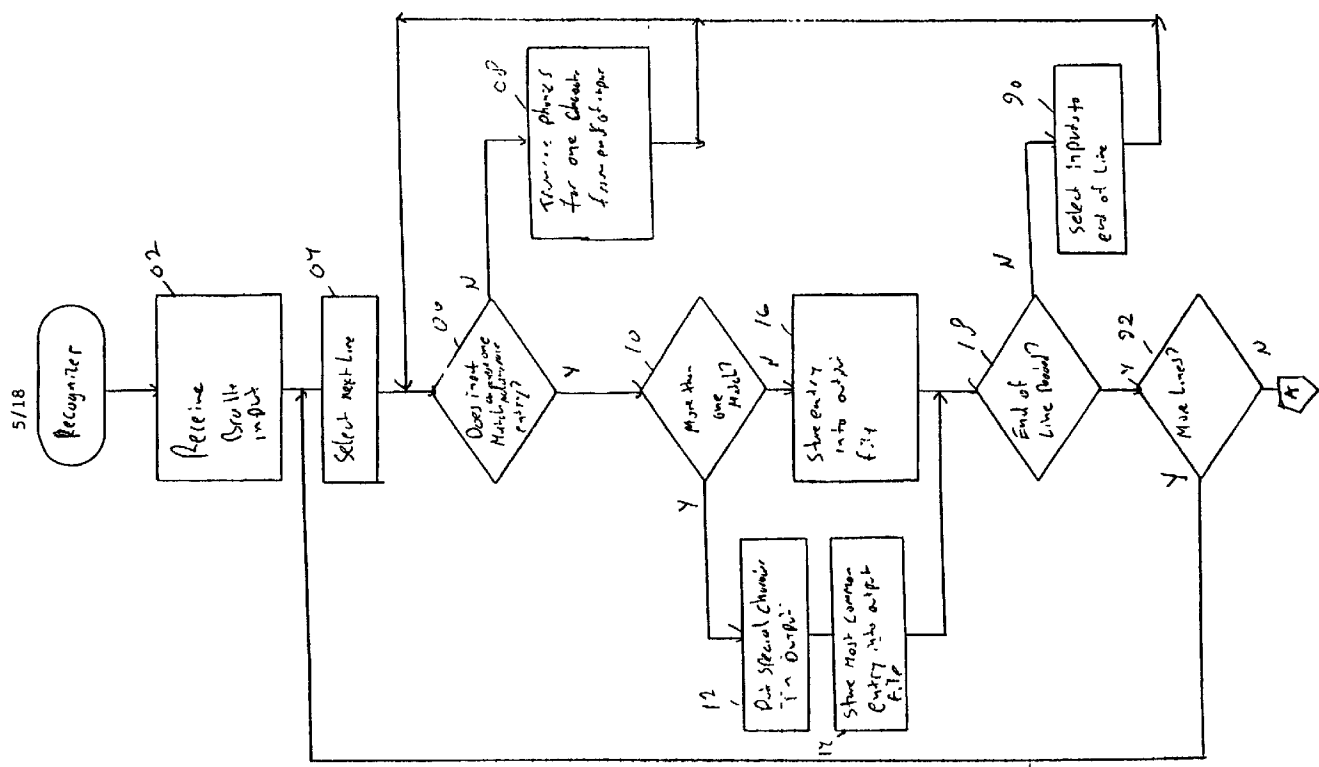
The method involves providing for the unambiguous input and conversion of Braille into character representations requiring multiple bytes per character, such as Kanji. The method uses a computer system having the Braille input and having a database of entries containing mapping of Braille to phrases containing at least one character of the multi byte language.

When the Braille input does not match at least one of the entries the method reduces the Braille input by an amount sufficient to represent a character and attempts to match the reduced Braille input to at least one of the entries in the database. The visually impaired user is provided with both the means to input Braille for translation into a multi byte language and the means to disambiguate the translation so that it reflects what the user intended.

ADVANTAGE - Resolves ambiguities in translation helps integrate visually impaired users into workforce. Translation is stored in computer in multi byte language so that both sighted and non

sighted users can utilize the translator.

Main Drawing Sheet(s) or Clipped Structure(s)



**Title Terms** /Index Terms/Additional Words: TRANSLATION; BRAILLE; MULTI; BYTE; LANGUAGE; CHARACTER; COMPUTER; SYSTEM; DATABASE; ENTER; MAP; PHRASE; COMPRISE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/28; G09B-021/00			Main		"Version 7"
G06F-003/00; G10L-015/00; G10L-005/00			Secondary		"Version 7"

US Classification, Issued: 704003000, 704007000, 704271000

File Segment: EngPI; EPI;  
DWPI Class: T01; P85; P86  
Manual Codes (EPI/S-X): T01-C02; T01-J11A1; T01-J14

Original Publication Data by Authority

## China

**Publication No.** CN 1242853 A (Update 200024 E)

Publication Date: 20000126

Assignee: MICROSOFT CORP; US (MICR-N)

Language: ZH

Application: CN 1997181208 A 19971121 (Local application)

Priority: US 1996758672 A 19961202

Original IPC: G09B-21/00(A) G06F-17/28(B)

Current IPC: G09B-21/00(A) G06F-17/28(B)

## Japan

**Publication No.** JP 2001505322 W (Update 200128 E)

Publication Date: 20010417

Assignee: MICROSOFT CORP (MICR-N)

Inventor: WONG P K

Language: JA (49 pages)

Application: WO 1997US21317 A 19971121 (PCT Application)

JP 1998525620 A 19971121 (Local application)

Priority: US 1996758672 A 19961202

Related Publication: WO 1998025252 A (Based on OPI patent )

Original IPC: G09B-21/00(A) G06F-3/00(B) G06F-17/28(B) G10L-15/00(B)

Current IPC: G09B-21/00(A) G06F-3/00(B) G06F-17/28(B) G10L-15/00(B)

## Korea

**Publication No.** KR 2000057355 A (Update 200122 E)

Publication Date: 20000915

Assignee: MICROSOFT CORP (MICR-N)

Language: KO (21 drawings)

Application: WO 1997US21317 A 19971121 (PCT Application)

KR 1999704869 A 19990602 (Local application)

Priority: US 1996758672 A 19961202

Related Publication: WO 1998025252 A (Based on OPI patent )

Original IPC: G09B-21/00(A)

Current IPC: G09B-21/00(A)

## United States

**Publication No.** US 6351726 B1 (Update 200220 E)

Publication Date: 20020226

**Method and system for unambiguously inputting multi-byte characters into a computer from a braille input device.**

Assignee: Microsoft Corporation, Redmond, WA, US (MICT)

Inventor: Wong, Peter Kam-Ho, Mercer Island, WA, US

Agent: Banner & Witcoff, Ltd.

Language: EN

Application: US 1996758672 A 19961202 (Local application)

Original IPC: G06F-17/28(A) G10L-5/00(B)

Current IPC: G06F-17/28(A) G10L-5/00(B)

Original US Class (main): 7043

Original US Class (secondary): 7047 704271

Original Abstract: An improved recognition system for translating Braille into multi-byte languages is provided that resolves ambiguities in the translation. By resolving ambiguities in the translation, the improved recognition system helps integrate visually-impaired users into the workforce. Such integration is achieved by providing visually-impaired users with both the means to input Braille for translation into a multi-byte language and the means to disambiguate the translation so that it reflects what the user intended. In this manner, the translation accurately reflects the intentions of the user. Furthermore, the translation is actually stored in the computer in the multi-byte language so that both sighted and nonsighted users alike can utilize the translation.

Claim:

1. A method for translating Braille input into characters of a multi-byte language in a computer system having the Braille input and having a database of entries containing mappings of Braille to phrases containing at least one character of the multi-byte language, comprising the steps of:
  - attempting to match the Braille input to at least one of the entries in the database to translate the Braille input into the multi-byte language;
  - when the Braille input does not match at least one of the entries,
  - reducing the Braille input by an amount sufficient to represent a character and attempting to match the reduced Braille input to at least one of the entries in the database; and
  - when the reduced Braille input does not match at least one of the entries in the database,
  - repeatedly performing said reducing step until the reduced Braille input matches at least one of the entries in the database to translate the reduced Braille input into the multi-byte language.

## WIPO

**Publication No.** WO 1998025252 A1 (Update 199829 B)

Publication Date: 19980611

**METHOD AND SYSTEM FOR UNAMBIGUOUS BRAILLE INPUT AND CONVERSION**

Assignee: MICROSOFT CORPORATION, ONE MICROSOFT WAY, REDMOND, WA 98052-6399,



US (MICR-N)

Inventor: WONG, PETER, KAM-HO, 3415 80TH AVENUE S.E., MERCER ISLAND, WA 98040, US

Language: EN (50 pages, 6 drawings)

Application: WO 1997US21317 A 19971121 (Local application)

Priority: US 1996758672 A 19961202

Designated States: (National Original) CN IL JP KR SG

(Regional Original) AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Original IPC: G09B-21/00(A) G06F-17/28(B)

Current IPC: G09B-21/00(A) G06F-17/28(B)

Original Abstract:

A method and system for the unambiguous input and conversion of Braille into character representations requiring multiple bytes per character, such as Kanji. The system provides both an input means for Braille code and the means to disambiguate the text in its multi-byte character representation, as well as storing the text for subsequent use by both sighted and non-sighted users.

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